STATE OF COLORADO

John W. Hickenlooper, Governor Christopher E. Urbina, MD, MPH Executive Director and Chief Medical Officer

Dedicated to protecting and improving the health and environment of the people of Colorado

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Carl Daly Air Program Chief US Environmental Protection Agency 8P-AR 1595 Wynkoop St. Denver, CO 80202-1129

January 11, 2012

Dear Mr. Daly:

The Colorado Department of Public Health and Environment – Air Pollution Control Division (APCD) is being required to relocate Colorado's current National Core Monitoring Network (NCore) site located at the now vacated Denver Municipal Animal Shelter. A replacement NCore site has been identified at Denver Health's La Casa – Quigg Newton Family Health Center and the APCD is requesting your acceptance of the proposed site.

The existing Denver Municipal Animal Shelter (08-031-0025) site was established at 678 S. Jason St., Denver, Colorado in July 2005 and became fully operational as Colorado's NCore site in January 2011. A current list of NCore parameters operating at the site and a medium scale map of the site are given in Attachments 1 and 2, respectively. However, this site will have to be relocated due to a change in use of the adjacent former animal shelter building and land uses changes that will create an environment that will no longer be suitable for ambient air quality monitoring. A conceptual drawing from "The River South Greenway Master Plan" of the land redevelopment to occur at this site can be seen in Attachment 3. As can be seen, roads will be relocated and new trees will be planted to make this area part of a larger park system as part of Denver's "River South Greenway" project.

Based upon review of Front Range air quality monitoring and emissions inventory data in the Denver area, a new NCore site has been identified and is being proposed to Environmental Protection Agency (EPA) for acceptance. The propose site is located at Denver Health's La Casa – Quigg Newton Family Health Center, 4545 Navajo St., Denver, Colorado 80211 (coordinates 39° 46′ 46.04″ N, 105° 0′ 18.68″ W). An initial investigation of the site shows that all siting criteria can be reasonably met and initial conversations with the Denver Health's facility management are favorable. The spatial relationship

between the existing DMAS NCore site and this proposed NCore site can be seen in Attachment 4, with more detailed Google Earth views of the site in Attachments 5, 6 and 7.

During the last EPA/National Association of Clean Air Agencies (NACAA) Monitoring Steering Committee meeting, which was held in Denver on October $24^{th} - 26^{th}$, 2011, both regional and national EPA staff had the opportunity to visit the proposed site, which resulted in favorable reviews.

Listed below is a summary of attachments for this application:

Attachment 1: Denver Municipal Animal Shelter – Parameter List Attachment 2: Denver Municipal Animal Shelter NCore Site Map

Attachment 3: The River South Greenway Master Plan – DMAS NCore Site Redevelopment

Attachment 4: Existing and Proposed NCore Sites (Large Scale Map)

Attachment 5: Proposed Denver Colorado NCore Site Location (Large Scale Map)
Attachment 6: Proposed Denver Colorado NCore Site Location (Medium Scale Map)
Attachment 7: Proposed Denver Colorado NCore Site Location (Small Scale Map)

Attachment 8: Region 8 Network Modification Request Form

As part of this process, this letter will be made available for public comment for a 30-day period and details of the new location will be included in the 2012 Annual Network Plan. The APCD welcomes your consideration of our request and looks forward to your response. Please let me know if you have any questions.

Sincerely,

Gordon Pierce

Technical Services Program Manager

Gordon E. Rin

Air Pollution Control Division

Colorado Department of Public Health and Environment

APCD-TS-B1

4300 Cherry Creek Drive South

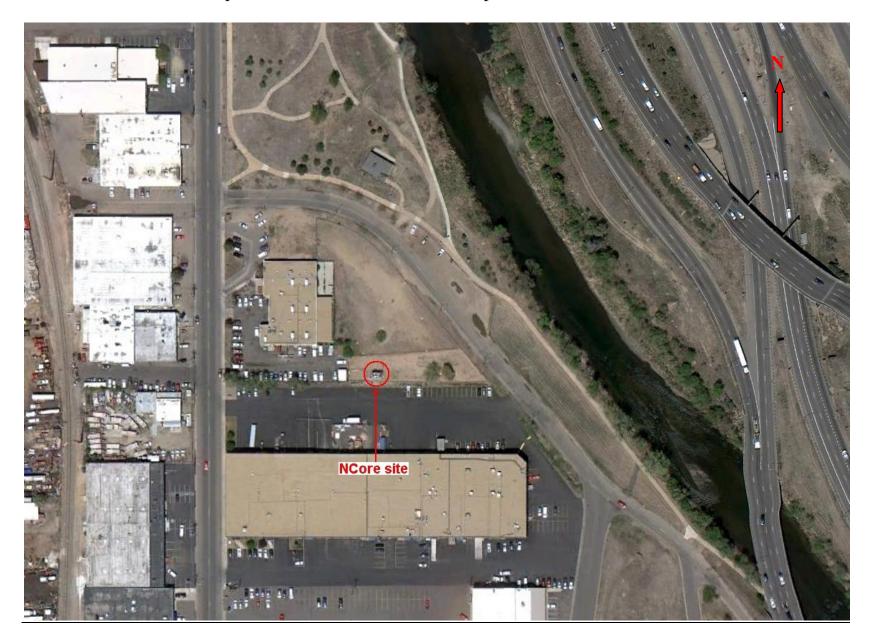
Denver, Colorado 80246-1530

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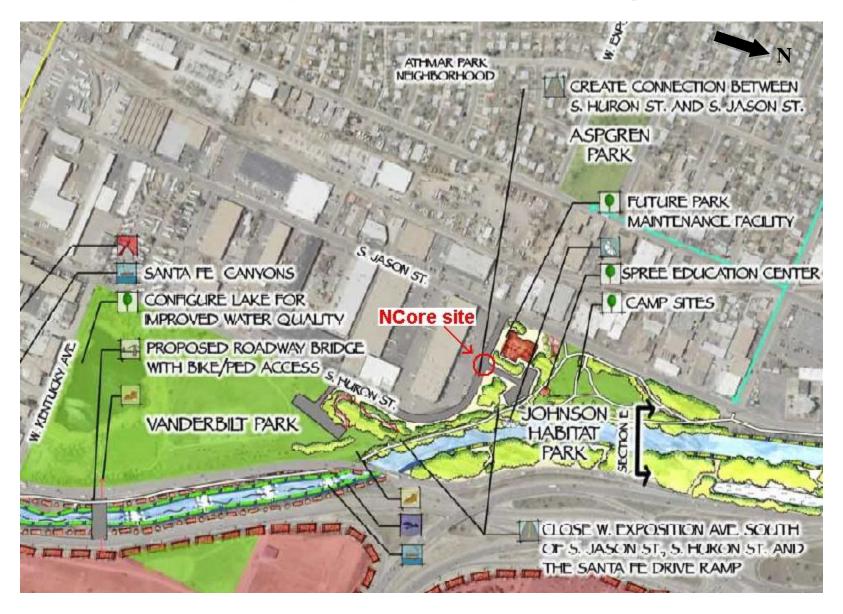
gordon.pierce@state.co.us

NCOR Denver Municipal Animal S	
Gaseous Measurements	
<u>Parameter</u>	Analyzer / Sampler / Sensor
Carbon Monoxide (CO)	Thermo 48i-TLE
Nitric Oxide (NO)	Teledyne/API 200EU
Oxides of Nitrogen (NOy)	Teledyne/API 200EU
Ozone (O3)	Teledyne/API 400E
Sulfur Dioxide (SO2)	Teledyne/API 100EU
Particulate Measurements	
Parameter	Analyzer / Sampler / Sensor
Lead – Total Suspended Particulates	Sierra Anderson – High Volume Sampler
Particulate Matter < 10 microns (filter)	R&P 2025 Sequential Sampler
Particulate Matter < 10 microns (continuous)	Thermo 1400 TEOM
Particulate Matter < 2.5 microns (filter)	R&P 2025 Sequential Sampler
Particulate Matter < 2.5 microns (continuous)	Thermo 1400 TEOM
Particulate Matter < 2.5 microns Chemical Speciation	MetOne SASS Sampler
Particulate Matter < 2.5 microns Carbon	URG 3000N
Meteorological Measurements	
Parameter	Analyzer / Sampler / Sensor
Wind Speed - Scalar	MetOne 010C
Wind Speed - Vector	MetOne 010C
Wind Direction - Scalar	MetOne 020C
Wind Direction - Vector	MetOne 020C
Wind Direction – Sigma Theta	(calculated)
Temperature (10 meters)	MetOne 060C
Temperature (2 meters)	MetOne 060C
Relative Humidity	Climatronics

Attachment 2 – Denver Municipal Animal Shelter NCore Site Map



Attachment 3 – The River South Greenway Master Plan – DMAS NCore Site Redevelopment



Attachment 4 - Existing and Proposed NCore Sites (Large Scale Map)



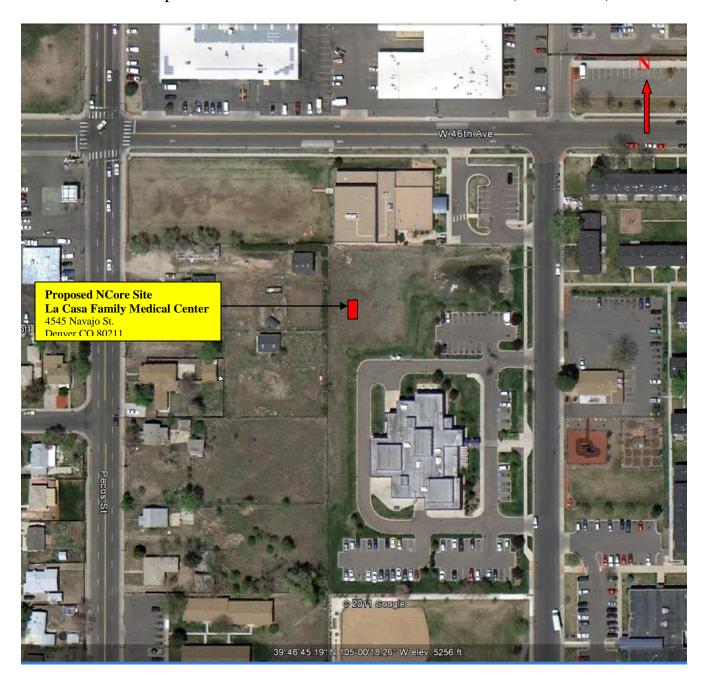
Attachment 5 – Proposed Denver Colorado NCore Site Location (Large Scale)



Attachment 6 – Proposed Denver Colorado NCore Site Location (Medium Scale)



Attachment 7 – Proposed Denver Colorado NCore Site Location (Small Scale)



Attachment 8 – Proposed Denver Colorado NCore Site Network Modification Request Form

EPA 1	REGION 8 AM	BIENT AIR MONI	TORING NETW (VERSION 2, 4/1/	ORK MODIFICAT	ION REQUEST FO	ORM	
DATE: 1/10/12		CITY: Denver			STATE: Colorado		
AQS SITE ID: 08-031-	-!!!!!		SITE NAME: LaC	Casa			
relocate the Denver Health Center, 4545 being requested due	rtment of Public Municipal Anii 5 Navajo St., De e to a change in	c Health and Enviror mal Shelter NCore si enver, Colorado 8021 use of the adjacent fo	te (08-031-0025) 11 (coordinates 3) ormer animal she	- Air Pollution Control to Denver Health's 9° 46' 46.04" N, 105 lter building and land to longer be suitable f	La Casa – Quigg N O 0' 18.68" W). Th I uses changes at the	ewton Family is relocation is e Denver	
AIR QUALITY PARAMETER	MONITOR	CHECK ONE OR MORE OF THE APPLICABLE CATEGORIES BI					
(PM10, SO2, CO, NO2, ETC.)	TYPE (SLAMS, SPM, TRIBAL, etc.)	MAX CONC	SOURCE IMPACT	POPULATION EXPOSURE	BACKGROUND	EQUIPMENT	
CO (trace)	NCore			X		Thermo 48i-TLE	
NO/NOy	NCore			X		T-API 200EU	
O3	NCore			X		T-API 400E	
SO2 (trace)	NCore			X		T-API 100EU	
PM10	NCore			X		R&P 2025 & Thermo 1400 TEOM	
PM2.5	NCore			X		R&P 2025 & Thermo 1400 TEOM	
PM2.5 Speciation	NCore			X		MetOne SASS & URG 3000N Carbon	
Pb	NCore			X		R&P low-vol PM10	
PROPOSED SAMPLING	G START / REMOV	VAL DATE OR DATE ST	TARTED / REMOVE	ED: Proposed start 5/1	1/2012		
ESTIMATED MEAS	UREMENTS FO	R AIR QUALITY PAI	RAMETERS:				
LOCATION (LAT./LO)	NG. OR UTM'S):	39° 46' 46.04" N, 1	05° 0' 18.68" W	T			
SITE ELEVATION (M. 1	MSL): 1602		_	PROBE HEIGHT (M. A	GL): 3		
DISTANCE TO TREE DRIPLINE (M)	DIRECTION TO TREE	DISTANCE TO OBSTACLE (M)	DIRECTION TO OBSTACLE	OBSTACLE HEIGHT ABOVE PROBE (M)	OBSTACLE COMMI	ENTS	
		770					
UNRESTRICTED AIR		DEG. >180 D:	EG. <crite< td=""><td>ERIADEG.</td><td></td><td></td></crite<>	ERIADEG.			
DISTANCE TO FLUES,	/INCINERATORS	(M): none					
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DISTANCE TO EDGE OF NEAREST ROADWAY	NAME OF ROADWAY	DIRECTION	DAILY TRAFFIC ESTIMATES	YEAR OF TRAFFIC ESTIMATES	TYPE OF ROADWAY	COMMENTS	
110	W/ 46th Ave	NORTH	5375	2005	Local		

82	Navajo St.	EAST	1415	2008	Local	
320	W. 44 th St.	SOUTH	1540	2005	Local	
100	Pecos St.	WEST	17900	2003	Local	
		DIRECTION TO POINT SOURCES	DISTANCE SOURCES (I	TO NEAREST AREA MILES)	DIRECTION TO AREA SOURCES	COMMENTS
CERTIFICATION	L certify the network	modification proposed ab	ove meets all 40	CFR 58, Appendix E siting crit	teria, except as noted wit	h submittal.
	rectify the network	modification proposed as	ove meets an je		,	a submittud
Printed Name:_Gt	egory Harshfield_		Signat	ure:_	cshfuld	
FOR EPA USE ON	LY: Received Date:_	Follow-up	Actions:	D.	Appro	val Status
Given:	Email Resp	oonse Date:	Letter Res	ponse Date:		
FOR METEC	PROLOGICAL	PARAMETERS	ONLY:			
MONITORING PU	RPOSE/OBJECTIVES		ONLY:			
MONITORING PU			ONLY:			
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COMMENTS: